Depth 6	Contents 7	Reference to last Measurement 8
	I.F- 39576-	
	KST- 79152-	
	F.S. 98940-	
	LWC. 19788-	
	Roy 29682-	
	CBF- 1979-	
	2.69.117-	

Work CODE: 006-15-000034

First & Final Bill.

M. A. R. 57 (Rule 116)

Measurement Book Head of Account: 13075 264659

No. B

SBR. No: 88/2016-17, Dated: 28.9.2016

Serial No. .....

Name of Work Improvements to Roads and drains at Shivajinagar From ..... To .....
in Ward no: 06.

Name of Contractor or nature of Agency V. Chandrappa

Date of commencement of work BBMP/EE/BTP/WO/16/2016-17, Dated: 30.04.2016.

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(1)	Earth work Excavation in surface Excavation in ordinary soil for levelling and lowering to Ground manually (other than fundation of buildings, Walls, Road, drains and Trenches of pipe and Cables) This specification already recorded in this MB, Vide page no: 264635.						
	∴ This Qty is Recorded in foc measurements in this MB, Vide page No 264591 to 264659/2 as 83.75 Cu.m						
	∴ This Qty is limited to as per Schedule Qty as 77.18 Cu.m @ the Rate Rs 159.00/Cu.m						

BR-528

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(2)	Removing BS slab of Drain and stacking. This Qty is Recorded in Premeasurements in this MB. 264691/2 to 264692/2 as 643.50 Sq.m ∴ This Qty is limited to as per Schedule 'B' Qty as 606.38 Sq.mt @ Rate Rs 63.00/Sq.mt						
(3)	Refixing stone slabs of drains and jointing in cm 1:3. This Qty is same as Qty Recorded of Item(2)						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Vide page NO: 2 ∴ This Qty is 606.38 Sq.mt.
(4)	Providing goo roughly dressed fixing coring etc

direction of E

Contents 7	Reference to last Measurement 8
...eting	
...ents in this MB.	
Schedule 'B' Qty	
.../sq.mt	
...d pointing in	
...corded of Item(2)	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

264660

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Vide Page NO: 264691/2 to 264692/2 as 643.50 sq.m ∴ This Qty is limited to as per Schedule 'B' Qty as 606.38 sq.mt. @ Rate Rs 78.00/sq.mt						
(4)	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar 1:6, including fixing coving etc, complete, 7.5 mm thick slabs. and as per direction of Engineer in Charge of the work						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	This Qty is Recorded in pre measurements in This MB, Vide page No: 264693 as 214.50 Sq.mt ∴ This Qty is limited to as per schedule 'B' Qty as 202.13 Sq.mt @ Rate Rs 663.00/Sq.mt.						
(5)	Providing, laying, spreading and compacting graded stones aggregates to wet mix Macadam specification including premixing the material with water at OMC in Mechanical mix plant carriage of mixed method of tipper to site laying in uniform layers with paver in sub base						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3
	Course on well pre Vibrator roller to achi specification This Qty is re Vide page No: 264 ∴ This Qty is 490.0 Cu.m @ Rat	

Contents	Reference to last Measurement
7	8
...rements in This	
...t	
...schedule 'B' Qty	
...g.mt.	
...mpacting graded	
...specification	
...water at OMC	
...ed method of	
...h paver in sub base	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 264661

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Course on well prepared surface and compacting with Vibrator roller to achieve the desired density complete as per specification This Qty is recorded in pre measurements in this MB, Vide page No: 264693/2 to 264694/2 as 494.16 cu.m ∴ this Qty is limited to as per schedule 'B' Qty as 490.0 cu.m @ Rate Rs 1713.00/cu.m						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(6)	Providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2 kg per 10 sq.m for surfaces of low and medium porosity respectively over prepared surface of granular base with cut back M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sq.m heated in bitumen boiler fitted with spray set including cost of all materials labour, hire of Machineries complete as per specification.						
	This Qty Recorded in premeasurements in this MB, Vide Page No: 264695 as 2470.82 sq.mt.						
	This qty is limited to as per schedule 'B' Qty as 2450.00 sq.mt. @ Rate Rs 70.00/sq.mt.						

Serial No. .....

Name of Work ..... Fro

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
(7)	Providing and laying thick with 100-120 TPH output of 75 tonnes per grading premixed with and filler transporting to hydrostatic paver finis grade level and align m and tandem rollers to ach MORTH specifications clau	
	per specifications	

Contents	Reference to last Measurement
7	8
...from 7.5 to 9.8 kg	
...ces of line and	
...pared surface of	
...or any other bitumen	
...ated in bitumen	
...cost of all materials	
...per specification.	
...ents in this MB,	
...g.mt.	
...hedule 'B' Qty	

...nt.

M. A. R. 57 (Rule 116)
Measurement Book

No. B 264662

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(7)	Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder at 4.5 to 5% of mix and filler transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade level and alignment rolling with smooth wheeled Vibratory and tandem rollers to achieve the desired compactions as per MORTH specifications clause NO: 500.8 complete in all respects as per specifications						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Kaveri Nagara Enterence (Near Shirdi Sai Nagara) 4th cross Site	1×1	23.0	$\frac{5.8+6.9}{2}$	0.025	3.65	Cu.m
		1×1	16.90	$\frac{7.5+7.3}{2}$	0.025	3.13	-11-
		1×1	30.0	$\frac{4.25+4.0}{2}$	0.025	3.094	-11-
		1×1	30.0	$\frac{4.0+3.9}{2}$	0.025	2.963	-11-
		1×1	30.0	$\frac{3.9+3.75}{2}$	0.025	2.869	-11-
		1×1	30.0	$\frac{3.75+3.8}{2}$	0.025	2.832	-11-
		1×1	28.0	$\frac{3.8+3.40}{2}$	0.025	2.52	-11-

29/9 ಮ.ಅ. (ಸಹಾ.ಎ) ಒಳ

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Checked. 5th cross
	29/9 ಮ.ಅ. (ಸಹಾ.ಎ) ಒಳ

OK

Depth 6	Contents 7	Reference to last Measurement 8
0.025	3.65	C.W.M.
0.025	3.13	-11-
0.025	3.094	-11-
0.025	2.963	-11-
0.025	2.869	-11-
0.025	2.832	-11-
0.025	2.52	-11-

M. A. R. 57 (Rule 116)
Measurement Book

No. B 264663

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Checked. 5th cross 29/9 M.B. (Positive) Dry	1 x 1	23.0	(5.0+4.6)/2	0.025	2.76	C.W.M.
		1 x 1	30.0	(4.5+3.8)/2	0.025	3.113	-11-
		1 x 1	30.0	(3.8+3.8)/2	0.025	2.85	-11-
		1 x 1	30.0	(3.8+4.2)/2	0.025	3.00	-11-
		1 x 1	30.0	(4.2+4.1)/2	0.025	3.113	-11-
		1 x 1	15.0	(4.1+3.9)/2	0.025	1.500	-11-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Gopalaiah House Road (Chowdappa Block) Site only	1×1	19.20	$\frac{3.9+3.6}{2}$	0.025	1.800	Cu.m
		1×1	15.0	$\frac{5.9+4.8}{2}$	0.025	2.00	-"-
		1×1	30.0	$\frac{4.8+4.8}{2}$	0.025	3.600	-"-
		1×1	26.0	$\frac{4.8+4.7}{2}$	0.025	3.088	-"-
		1×1	30.0	$\frac{4.7+4.75}{2}$	0.025	3.544	-"-
		1×1	30.0	$\frac{4.75+4.65}{2}$	0.025	3.525	-"-
		1×1	30.0	$\frac{4.65+4.7}{2}$	0.025	3.506	-"-
		1×1	30.0	$\frac{4.7+4.6}{2}$	0.025	3.488	-"-
						Total : 61.945 Cu.m	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
(8)	Lead for disposal rates by Mechan[ical] This Qty of in This MB. Rate Rs 58/ AE

ntents	Reference to last Measurement
7	8
800	Cu.m
.00	-"-
.600	-"-
.088	-"-
.544	-"-
.525	-"-
.506	-"-
.488	-"-
61.945 Cu.m	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 264664

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(8)	Lead for disposal of debris shall be payable at Cuttage rates by Mechanical means including loading and unloading This Qty of same as Qty of Item (1) Recorded in This MB. vide page no: 264659 as 77.18 Cu.m @ Rate Rs 58/ Cu.m 22.9.2016 AE Site Incharge 28/9/16						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ABSTRACT						
Sl No	Particulars	Unit	From	To	Qty	Rate	Amount in Rs.
1)	Earth work in surface	cu.m	264659	–	77.18	159.00	12272 – 12336.00
2)	Removing of B.S. slab	sq.m	264659½	–	606.38	63.00	38202 – 38639.00
3)	Refixing of B.S slab	sq.m	264660	–	606.38	78.00	47298 – 47807.00
4)	Granite slabs	sq.m	264660½	–	202.13	663.00	134012 – 134036.00
5)	Wet mix Meeadam	cu.m	264660½	–	490	1713.00	839840.00 839370

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2
6)	Primer coat
7)	SDBC
8)	Lead for Disposal of Earth work.

AE

K

epth 6	Contents 7	Reference to last Measurement 8
ty	Rate	Amount in Rs.
.18	159.00	12272- 12336.00
		38202-
6.38	63.00	38639.00
		47298-
6.38	78.00	47807.00
		134012-
2.13	663.00	134036.00
90	1713.00	839840.00
		839370-

M. A. R. 57 (Rule 116)
Measurement Book

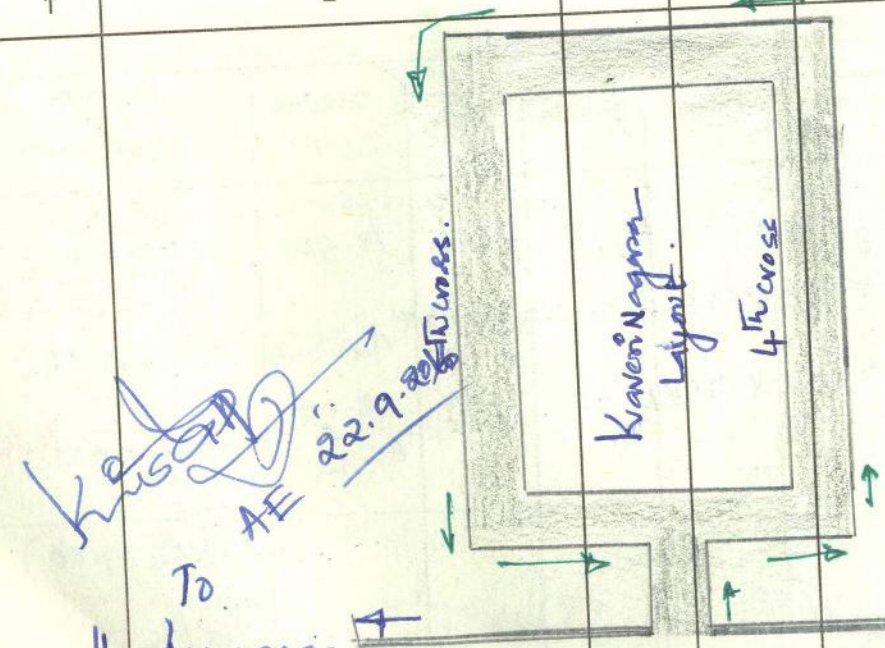
No. B
264665

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
6)	Primer coat	Sq.m	264661/2		2450	70.00	171500- 171990.00
							567420
7)	SDBC	cu.m	264662	264664	61.945 61.25	9264.25	567435.00
8)	Lead for Disposal of Earth Work.	cu.m	264664	-	71.18	~~58.00~~ 67.32	5196.00 4476
							1817279.00
	AE	.. 22.9.2016					1814550

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Shivaprasad Nagara

22.9.

AE

28/9

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Certificate
	(1) The contra
	(2) The contra spot.

pth 6	Contents 7	Reference to last Measurement 8

Shivadi Sai Nagara

28/9

Road

Narayanapura circle

M. A. R. 57 (Rule 116)
Measurement Book

No. B 264666

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Certificate ① The contractor has done the work satisfactorily. ② The contractor has remove the debris from the work spot. 22.9.2016					28/9/16	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			1814550-			I. Bay 1814546-	
			16.76.643-			Ref- 72582-	
			137907-			Roy- 27218-	
						Lwc 1814546-	
						CBF 1815	
						137907-	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2